

**Table C-1. Federal obligations for research and development, by character of work,
and R&D plant: fiscal years 1951-2003**

[Dollars in thousands]

| Fiscal years | Total | Total research and development | Research | | Development | R&D plant |
|--------------------------|-------------|--------------------------------------|------------|------------|-------------|-----------|
| | | | Basic | Applied | | |
| 1951 | 1,851,571 | 1,521,527 | NA | NA | NA | 330,044 |
| 1952 | 2,216,848 | 1,909,665 | 120,945 | NA | NA | 307,183 |
| 1953 | 2,167,456 | 1,919,543 | 115,997 | NA | NA | 247,913 |
| 1954 | 1,918,046 | 1,761,840 | 116,033 | NA | NA | 156,206 |
| 1955 | 2,251,894 | 2,044,593 | 130,068 | NA | NA | 207,301 |
| 1956 | 3,266,903 | 2,988,203 | 206,441 | 645,506 | 2,136,256 | 278,700 |
| 1957 | 4,389,237 | 3,932,001 | 262,348 | 662,199 | 3,007,454 | 457,236 |
| 1958 | 4,906,015 | 4,569,722 | 334,543 | 744,264 | 3,490,915 | 336,293 |
| 1959 | 7,122,610 | 6,693,510 | 465,981 | 874,272 | 5,353,257 | 429,100 |
| 1960 | 8,080,015 | 7,551,746 | 590,374 | 1,282,135 | 5,679,237 | 528,269 |
| 1961 | 9,607,023 | 9,058,623 | 814,513 | 1,663,431 | 6,580,679 | 548,400 |
| 1962 | 11,069,059 | 10,289,947 | 986,314 | 2,018,481 | 7,285,152 | 779,112 |
| 1963 | 13,662,879 | 12,494,611 | 1,151,753 | 2,356,150 | 8,986,708 | 1,168,268 |
| 1964 | 15,323,870 | 14,225,354 | 1,303,000 | 2,571,452 | 10,350,902 | 1,098,516 |
| 1965 | 15,745,852 | 14,614,249 | 1,435,469 | 2,811,761 | 10,367,019 | 1,131,603 |
| 1966 | 16,178,640 | 15,320,334 | 1,579,181 | 3,081,066 | 10,660,087 | 858,306 |
| 1967 | 17,149,186 | 16,529,099 | 1,845,847 | 2,785,543 | 11,897,709 | 620,087 |
| 1968 | 16,525,038 | 15,921,208 | 1,840,562 | 2,940,500 | 11,140,146 | 603,830 |
| 1969 | 16,309,900 | 15,640,888 | 1,944,773 | 2,700,117 | 10,995,998 | 669,012 |
| 1970 | 15,863,385 | 15,338,937 | 1,925,908 | 2,974,890 | 10,438,139 | 524,448 |
| 1971 | 16,153,756 | 15,542,512 | 1,980,141 | 3,143,030 | 10,419,341 | 611,244 |
| 1972 | 17,097,951 | 16,495,895 | 2,186,937 | 3,360,759 | 10,948,199 | 602,056 |
| 1973 | 17,574,486 | 16,800,153 | 2,232,006 | 3,349,423 | 11,218,724 | 774,333 |
| 1974 | 18,176,457 | 17,410,128 | 2,387,681 | 3,787,559 | 11,234,888 | 766,329 |
| 1975 | 19,859,548 | 19,038,818 | 2,588,427 | 4,141,281 | 12,309,110 | 820,730 |
| 1976 | 21,616,382 | 20,779,658 | 2,767,454 | 4,851,878 | 13,160,326 | 836,724 |
| 1977 | 24,817,577 | 23,450,377 | 3,258,640 | 5,255,475 | 14,936,262 | 1,367,200 |
| 1978 | 27,140,849 | 25,845,137 | 3,698,604 | 5,908,154 | 16,238,379 | 1,295,712 |
| 1979 | 29,620,597 | 28,145,142 | 4,192,665 | 6,342,340 | 17,610,137 | 1,475,455 |
| 1980 | 31,386,095 | 29,830,432 | 4,674,156 | 6,923,222 | 18,233,054 | 1,555,663 |
| 1981 | 34,589,634 | 33,103,924 | 5,041,295 | 7,171,485 | 20,891,144 | 1,485,710 |
| 1982 | 37,822,363 | 36,432,589 | 5,481,605 | 7,540,580 | 23,410,404 | 1,389,774 |
| 1983 | 40,009,032 | 38,711,537 | 6,260,131 | 7,993,394 | 24,458,012 | 1,297,495 |
| 1984 | 44,012,149 | 42,224,865 | 7,067,359 | 7,911,414 | 27,246,092 | 1,787,284 |
| 1985 | 50,180,369 | 48,359,565 | 7,818,682 | 8,314,739 | 32,226,144 | 1,820,804 |
| 1986 | 52,951,181 | 51,412,364 | 8,153,076 | 8,349,123 | 34,910,165 | 1,538,817 |
| 1987 | 57,099,656 | 55,253,693 | 8,942,425 | 8,998,096 | 37,313,172 | 1,845,963 |
| 1988 | 58,826,512 | 56,769,425 | 9,473,618 | 9,176,527 | 38,119,280 | 2,057,087 |
| 1989 | 63,571,605 | 61,406,484 | 10,602,011 | 10,163,520 | 40,640,953 | 2,165,121 |
| 1990 | 65,831,189 | 63,559,471 | 11,285,593 | 10,336,771 | 41,937,107 | 2,271,718 |
| 1991 | 64,147,951 | 61,295,152 | 12,170,794 | 11,797,583 | 37,326,775 | 2,852,799 |
| 1992 | 68,577,184 | 65,592,590 | 12,489,864 | 12,000,734 | 41,101,992 | 2,984,594 |
| 1993 | 70,414,697 | 67,314,025 | 13,399,121 | 13,491,376 | 40,423,528 | 3,100,672 |
| 1994 | 69,450,776 | 67,235,390 | 13,523,476 | 13,887,733 | 39,824,181 | 2,215,386 |
| 1995 | 70,442,935 | 68,186,798 | 13,877,031 | 14,557,365 | 39,752,402 | 2,256,137 |
| 1996 | 69,399,164 | 67,653,047 | 14,464,035 | 13,795,729 | 39,393,283 | 1,746,117 |
| 1997 | 71,753,430 | 69,826,779 | 14,941,892 | 14,423,397 | 40,461,490 | 1,926,651 |
| 1998 | 73,913,988 | 72,100,724 | 15,613,012 | 15,309,257 | 41,178,455 | 1,813,264 |
| 1999 | 77,386,368 | 75,340,622 | 17,443,653 | 16,083,861 | 41,813,108 | 2,045,746 |
| 2000 | 77,356,165 | 72,863,318 | 19,569,849 | 18,900,781 | 34,392,688 | 4,492,847 |
| 2001 | 84,003,042 | 79,933,214 | 21,958,136 | 22,755,600 | 35,219,478 | 4,069,828 |
| 2002 (Preliminary) | 97,464,561 | 92,979,384 | 24,173,530 | 25,635,237 | 43,170,617 | 4,485,177 |
| 2003 (Preliminary) | 103,113,810 | 98,608,102 | 25,976,554 | 27,400,330 | 45,231,218 | 4,505,708 |

KEY: NA = Not available (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)

NOTES: Beginning in fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2001, 2002, and 2003